ORDER NO. ACED030349C7

C4

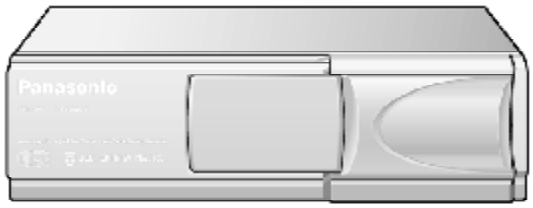
Service Manual

AUTOMOTIVE AFTERMARKET

COMPACT disc DIGITAL AUDIO

CX-DP880U

8-disc CD Changer



SPECIFICATIONS

Specifications*

General	
Power Supply	**DC 12V (11V - 16V), Test Voltage 14.4V Negative Ground**
Current Consumption	**Less then 1.0A (Play mode)**
CD Changer Unit	
Load Impedance	**More than 10k Ω**
Output Voltage	**2V rms (1kHz, 0dB)**
Output Impedance	**600 Ω**
Channel	**2 Channels**
Frequency Response	**5-20,000Hz ± 1dB**
Signal to Noise Ratio	**96dB**
Total Harmonic Distortion	**0.006%(1,000Hz)**
Wow and Flutter	**Below measurable limits**
Sampling Frequency	**8 Times Oversampling**
Correct System	**Panasonic Super Decoding Algorihm**
DA Converter	**NASH 1 bit**
Pick-Up Type	**Astigma 1-beam**
Light Source	**Semiconductor Laser**
Wavelength	**780nm**
Disc Magazine Unit	**CA-MP801D (included) holds 8 (5") discs**
Dimensions ** (W × H × D)	
CD Changer Unit	**9-1/16" × 2-7/8" × 6-3/4"mm (230 × 72 × 170mm)**
Disc Magazine Unit	**4-7/8" × 1-3/8" × 5-1/16"mm (124 × 35 × 129mm)**
Weight**	
CD Changer Unit	**3 lbs, 5 oz (1.5kg)**
Disc Magazine Unit	**6 oz (0.17kg)**

*** Specifications and the design are subject to possible modification without notice due to improvements.**
**** Dimensions and Weight shown are approximate.**

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⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Panasonic®

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are marked by ⚠ in the Schematic Diagrams, Circuit Board Diagrams, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire or other hazards. Do not modify the original design without permission of manufacturer.

1. ABOUT LEAD FREE SOLDER (PbF)

Distinction of PbF PCB:

PCBs (manufactured) using lead free solder will have a PbF stamp on the PCB.

Caution :

- **Pb free solder has a higher melting point than standard solder; Typically the melting point is 50 - 70°F (30 - 40°C) higher. Please use a soldering iron with temperature control and adjust it to 700 ± 20°F (370 ± 10°C). In case of using high temperature soldering iron, please be careful not to heat too long.**
- **Pb free solder will tend to splash when heated too high (about 1100°F/600°C)**
- **This lead free solder will be used for the products after serial No. 1,000,001.**

2. FEATUERS

- **Miniature 8-disc CD Auto Changer.**
- **A CD-R and a CD-RW that hold CD-DA data can be reproduced.**
- **With ACC OFF, Eject Function.**
- **The CD changer can be mounted at any of the following 5 angles: 0° 22.5° 45° 67.5° 90°**

3. REPLACING THE FUSE

Use fuses of the same specified rating (3amps). Using different substitutes or fuses with higher ratings, or connecting the product directly without a fuse, could cause fire or damage to the stereo unit.

4. MAINTENANCE

Your product is designed and manufactured to ensure a minimum of maintenance. Use a dry, a soft cloth for routine exterior cleaning. Never use benzine, thinner or other solvents.

5. NOTES

[CD DECK BLOCK]

This model has no servo alignment points because microcomputer controls the servo circuit.

6. LASER PRODUCTS

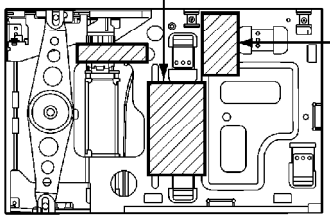
CAUTION:

This product utilizes a laser diode with the unit turned "on", laser radiation is emitted from the pickup lens.
Laser radiation from the pickup lens is safety level, but be sure the followings:

1. Do not disassemble the optical pickup unit, since radiation from exposed laser diode is dangerous.
2. Do not adjust the variable resistor on the pickup unit. It was already adjusted.
3. Do not look at the focus lens using optical instruments.
4. Recommend not to look at pickup lens for a long time.

DANGER! Visible and invisible laser radiation when open. Avoid direct exposure to beam. (FDA 21 CFR)

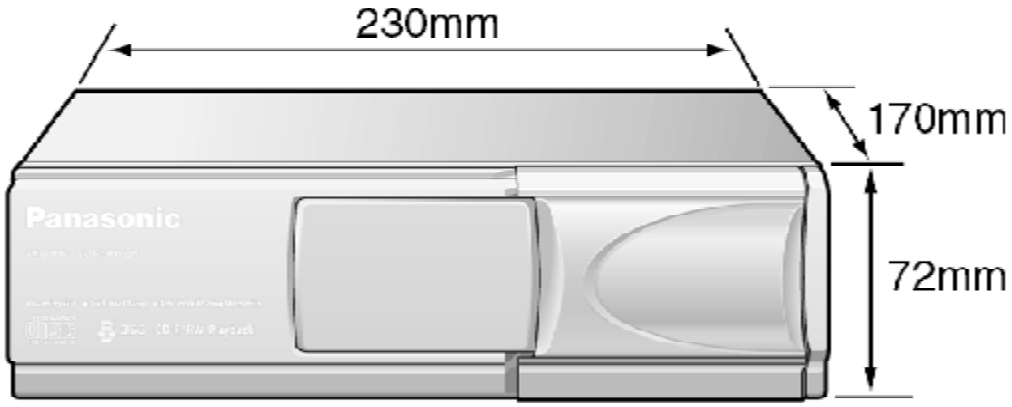
DANGER! Invisible laser radiation when open. Avoid direct exposure to beam.



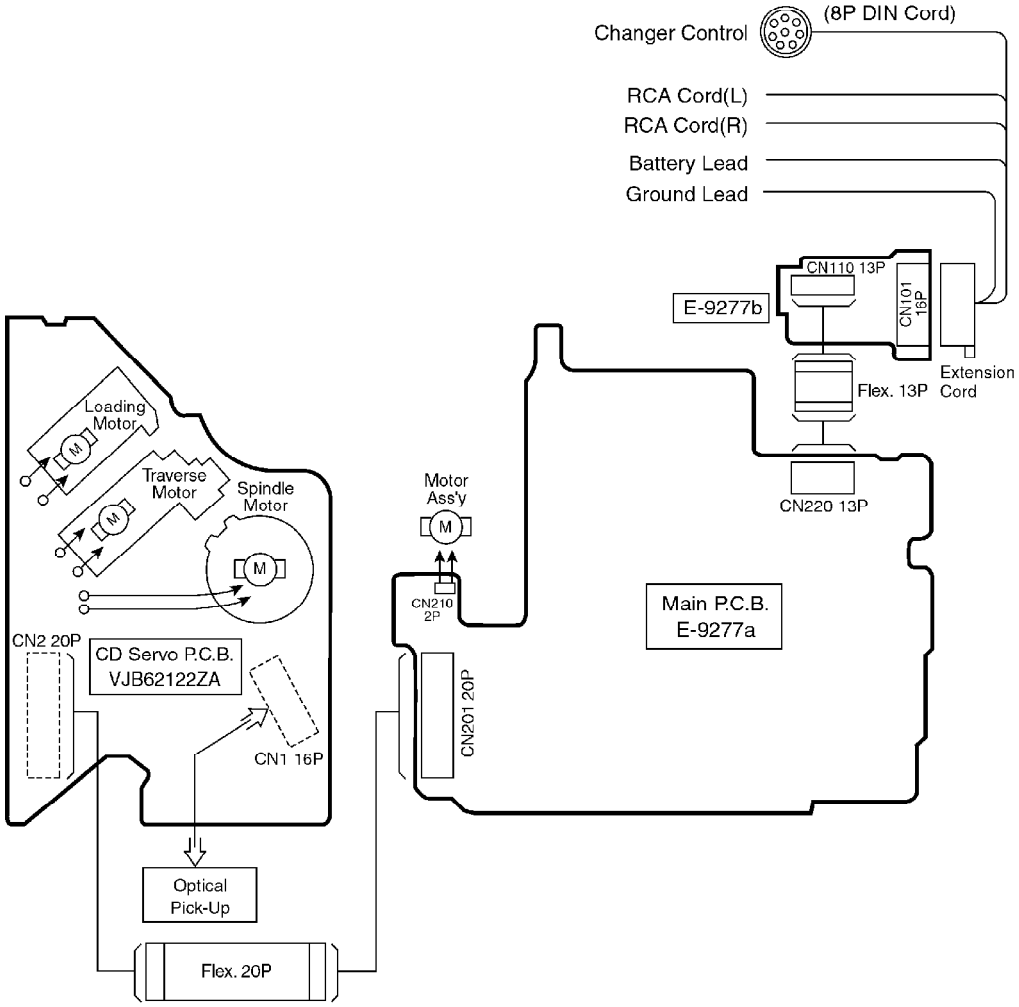
Deck Ass'y (Upper Side)

Caution
This Product utilizes a laser.
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

7. DIMENSIONS

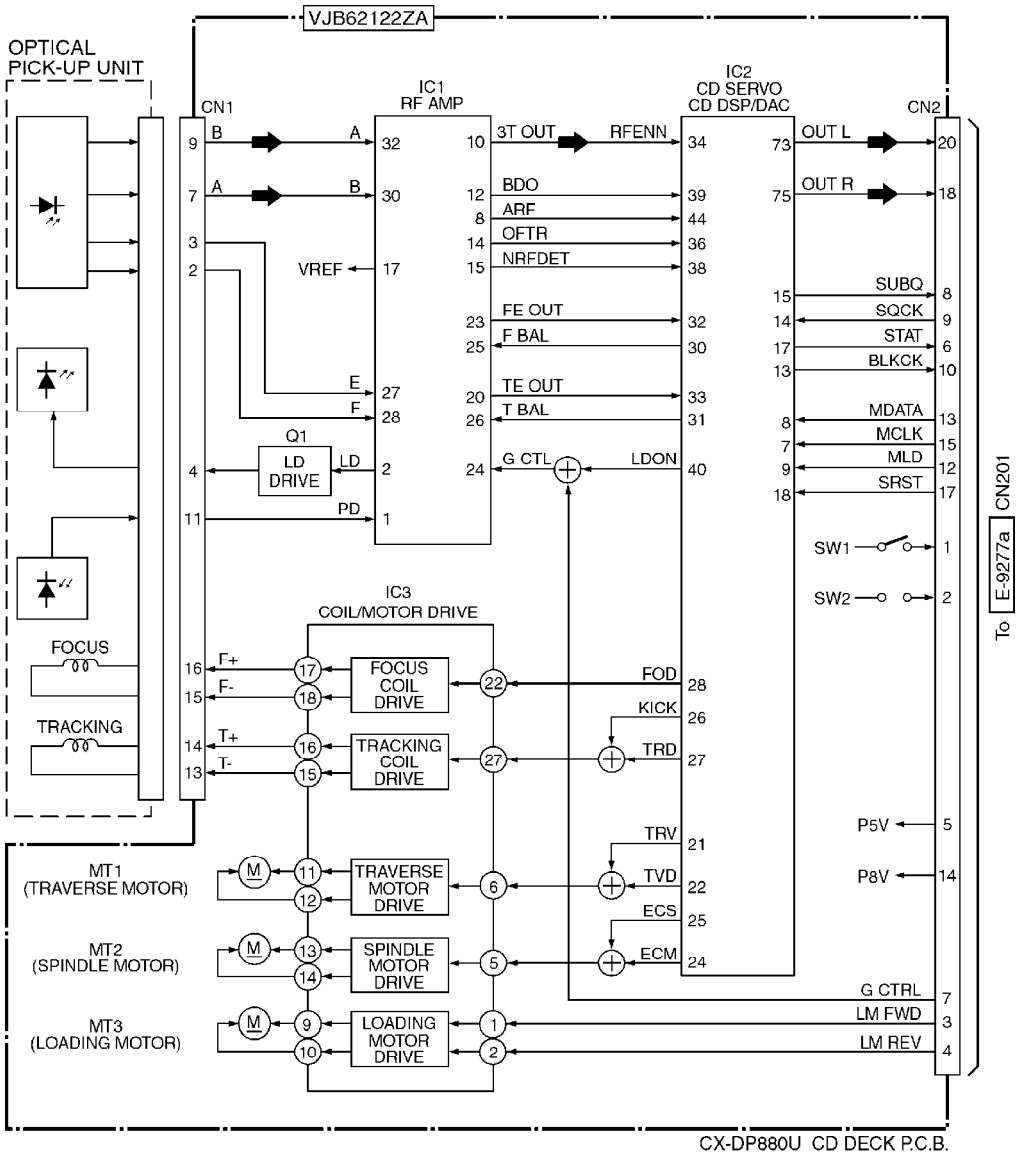


8. WIRING CONNECTION

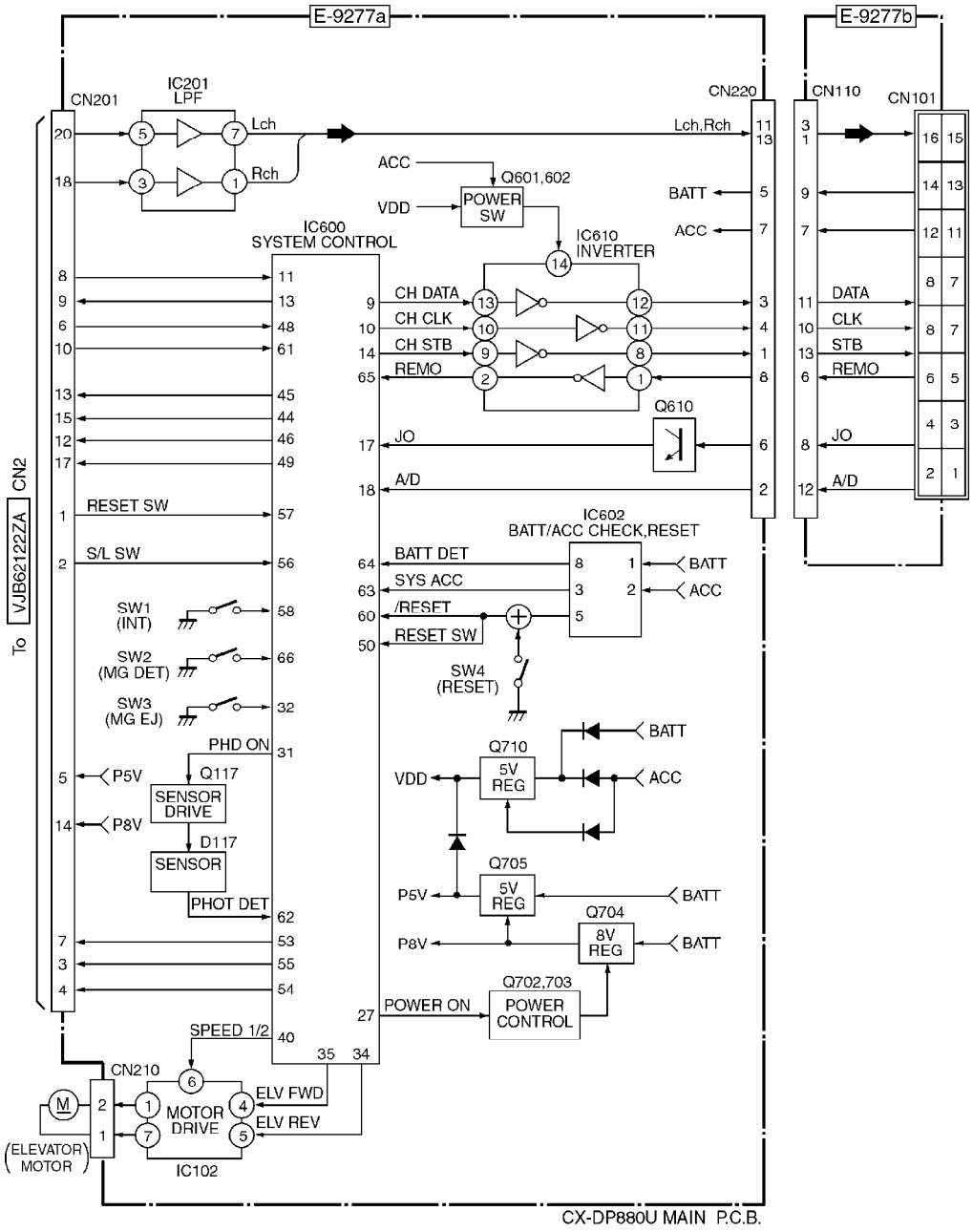


9. BLOCK DIAGRAM

9.1. CD Servo Block



9.2. Main Block



10. TERMINALS DESCRIPTION

10.1. Main Block

IC600 : C2BBGE000656

Pin No.	Port	Description	I/O	(V)
1	TEST EJ	D.Ground	-	0
2,3	DIPSW	D.Ground	-	0
4	AVSS	D.Ground	-	0
5,6	-	D.Ground	-	0
7	AVREF1	-	-	5.1
8	-	Pldaun in Ground by 100 kilohms	-	0
9	CH DATA	Data output	O	4
10	CH CLK	Clock output	O	0
11	SUBQ	Subcode data input	I	1.1
12	-	D.Ground	-	0
13	SQCK	Subcode clock output	O	5.0
14	CH STB	Strob output	O	0
15-16	-	D.Ground	-	0
17	J0	Format switch (L: New format)	I	0
18	A/D	Play/Stop (L:Switch)	I	5.0
19-24	-	D.Ground	-	0
25	ERR OUT	D.Ground	-	0
26	-	D.Ground	-	0
27	POWER ON	Power on signal output	O	5.0
28	/CDOUT	D.Ground	-	0
29	/COMUTE	D.Ground	-	0
30	-	D.Ground	-	0
31	PH0 ON	Photo sensor power supply control	O	5.1
32	MG EJ SW	Magazine Eject detection (L:Eject)	I	0.3
33	VSS	D.Ground	-	0
34	ELVM REV	Elevator motor reverse output	O	0
35	ELVM FWD	Elevator motor forward output	O	0
36	-	D.Ground	-	0
37	AV ON (NC)	-	-	-
38	ELV2.5 SW	D.Ground	-	0
39	-	D.Ground	-	0
40	SPEED1/2	Elevator speed switch output	O	5.0
41	TEST CLK	C1	I	5.1
42	TEST DATA	C2	O	5.1

Pin No.	Port	Description	I/O	(V)
43	TEST STB	Data	O	5.1
44	MCLK	Command clock output	O	4.8
45	MDATA	Command data output	O	0.8
46	MLD	Command load output	O	5.1
47	TEST	Test input	I	5.1
48	STAT	Servo IC status input	I	4.8
49	/SRST	Servo IC reset output	O	5.1
50	RESET SW	+5V Power Supply	-	5.1
51	TEST1	D.Ground	-	5.1
52	TEST2	+5V Power Supply	-	5.1
53	GCTRL	Gain control (H:CD RW)	O	0
54	LM REV	Loading motor output	O	0
55	LM FWD	Loading motor output	O	0
56	S/L SW	Save/Load detection	I	0
57	REST SW	Most inner detection input	I	5.3
58	INT SW	First step detection input.	I	5.3
59	-	+5V Power Supply	-	5.1
60	/RESET	+5V Power Supply	-	5.1
61	BLKCK	Block interrupt	I	0
62	PHOTO DET	Photo sensor input	I	0
63	/SYS ACC	ACC detection	I	5.0
64	BAT DET	BATT detection	I	5.0
65	REMO	Remote control input	I	5.2
66	MG DET SW	Magazine insertion detection	I	0
67	VSS	D.Ground	-	0
68	VDD	-	-	5.1
69	X2	Crystal Oscillator	-	3.1
70	X1	Crystal Oscillator	-	2.6
71	IC(VPP)	-	-	0
72	XT2(NC)	-	-	-
73	XT1	-	-	5.1
74	AVDD	-	-	5.2
75	AVREF0	D.Ground	-	0
76	TEMP	D.Ground	-	0
77	TEST TRUP	D.Ground	-	0
78	TEST TRDWN	D.Ground	-	0
79	TEST DUP	D.Ground	-	0

Pin No.	Port	Description	I/O	(V)
80	TEST DDWN	D.Ground	-	0

10.2. CD Servo Block

IC2 : MN6627482WB

Pin No.	Port	Description	I/O	(V)
1	BCLK	Serial Data Bit Clock	O	2.9
2	LRCK	Left Right signal output	O	2.7
3	SR DATA	Serial Data output	O	2.9
4	DVDD1	Power supply (for digital)	-	5.3
5	DVSS1	Ground (for degital)	-	0
6	TX(NC)	-	-	-
7	MCLK	CPU Command Clock input	I	4.8
8	MDATA	CPU Command Data input	I	0.8
9	MLD	CPU Command Load input	I	5.1
10	SENSE	SEBSE signals (OFT FESL NACEND NAJEND SFG) output	O	0
11	/ FLOCK(NC)	-	-	-
12	/TLOCK	Tracking Servo Lock signal	O	0
13	BLKCK	Sub Code Block Clock signal	O	0
14	SQCK	Sub Code Q-registor Clock	I	5.1
15	SUBQ	Sub Code Q-data output	O	0.6
16	DMUTE	Muting input	I	0
17	STAT	Status signal	O	4.8
18	/RESET	Reset input	I	5.0
19	SMCK (NC)	-	-	-
20	PMCK(NC)	-	-	-
21	TRV	Traverse force send signal output	O	2.7
22	TVD	Traverse drive output	O	2.7
23	PC(NC)	-	-	-
24	ECM	Spindle Motor drive signal (Force mode output)	O	2.6

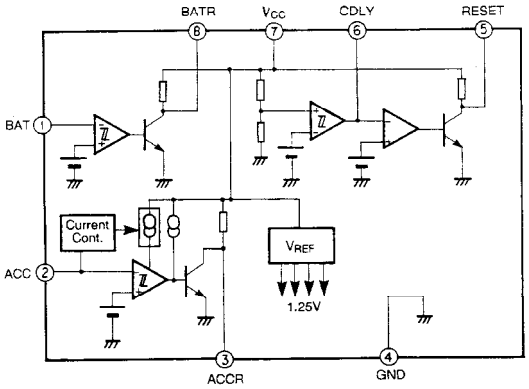
Pin No.	Port	Description	I/O	(V)
25	ECS	Spindle Motor drive signal (Servo error signal output)	O	2.6
26	KICK	Kick pulse output	O	0
27	TRD	Tracking Drive output	O	2.7
28	FOD	Focus Drive output	O	2.7
29	VREF	Reference Voltage (for D/A output block)	I	2.7
30	FBAL	Focus Balance Adjustment output	O	2.7
31	TBAL	Tracking Balance Adjustment output	O	2.5
32	FE	Focus error signal input	I	2.7
33	TE	Tracking error signal input	I	2.7
34	RFENV	RF envelope signal input	I	2.7
35	VDET	Vibrate Detection signal input	I/O	0
36	OFTR	Off Track signal input	I	0
37	TRCRS	Track loss signal input	I	2.7
38	/RFDET	RF Detection signal input	I	0
39	BDO	Drop out signal input	I	0
40	LDON	-	-	5.3
41	PLLF2(NC)	-	-	-
42	TOFS (NC)	-	-	-
43	WVEL (NC)	-	-	-
44	ARF	RF signal input	I	2.7
45	IREF	Reference Current input	I	1.2
46	DRF	Loop Filter terminal (for DSL)	I	0
47	DSLF	Loop Filter terminal (for PLL)	I/O	2.7
48	PLLF	Loop Filter terminal (for VCO)	I/O	1.4
49	VCOF	-	-	5.3
50	AVDD2	Power supply (for analog circuit)	I	5.3
51	AVSS2	Ground (for analog circuit)	I	0
52	EFM(NC)	-	-	-
53	PCK/ DSLB	PLL clock or DSL balance output	O	0

Pin No.	Port	Description	I/O	(V)
54	VCOF2	Loop Filter terminal (for VCO)	I/O	1.9
55	SUBC(NC)	-	-	-
56	SBCK	Sub Code serial clock	I	0
57	VSS	Ground (for OSC)	-	0
58	X1	OSC input terminal	I	2.5
59	X2	OSC output terminal	O	2.7
60	VDD	Power Supply (for OSC)	-	5.3
61	TRVSTOP (NC)	-	-	-
62	CLDCK (NC)	-	-	-
63	FCLK(NC)	-	-	-
64	IPFLAG(NC)	-	-	-
65	FLAG(NC)	-	-	-
66	CLVS(NC)	-	-	-
67	CRC(NC)	-	-	-
68	DEEMPHA (NC)	-	-	-
69	FLAG6 (NC)	-	-	-
70	IOSEL	Mode select signal	I	0
71	TEST	Test terminal	I	5.3
72	AVDD1	Power supply (for analog circuit)	-	5.1
73	OUTL	Lch audio output	O	2.6
74	AVSS1	Ground (for analog circuit)	-	0.3
75	OUTR	Rch audio output	O	2.6
76	RSEL	RF signal polarity setting	I	5.3
77	CSEL	OSC frequency select	I	0
78	ISRDATA	SRDATA input	I	2.8
79	ILRCK	LRCK input	I	2.7
80	IBLCK	BCLK input	I	2.9

11. PACKAGE AND IC BLOCK DIAGRAM

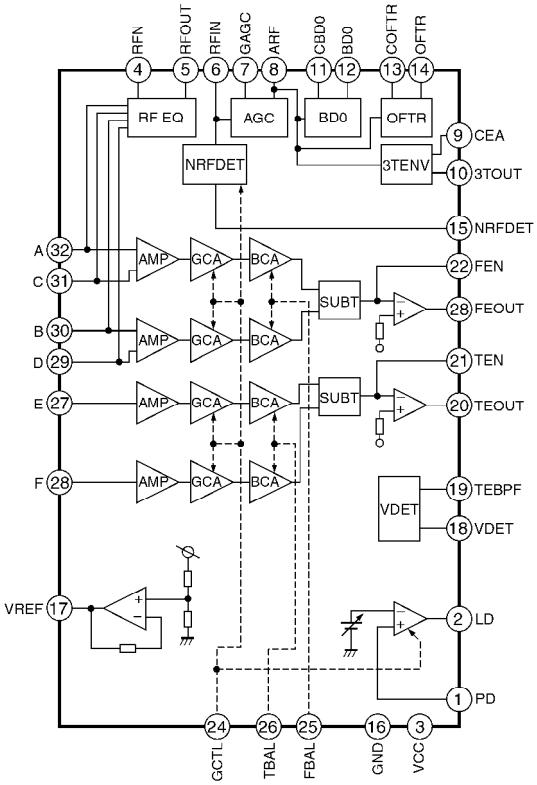
11.1. Main Block

IC602 : AN8065S-E1

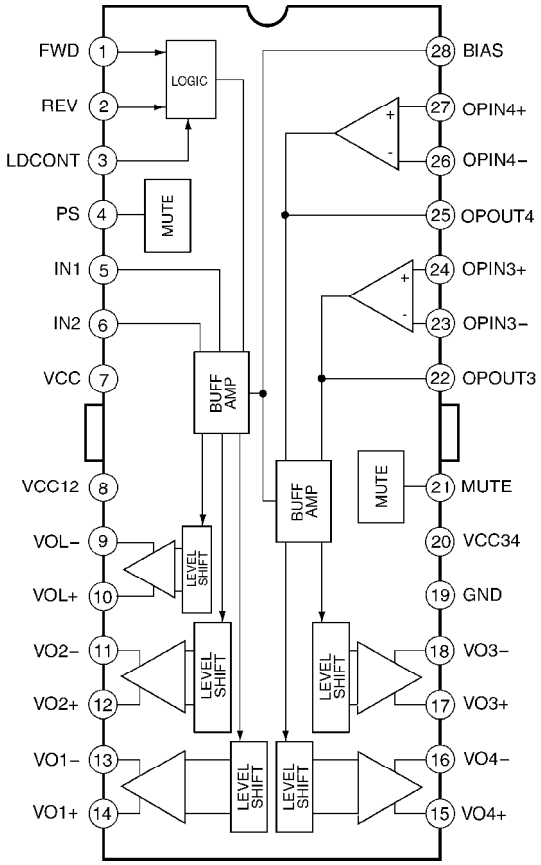


11.2. CD Servo Block

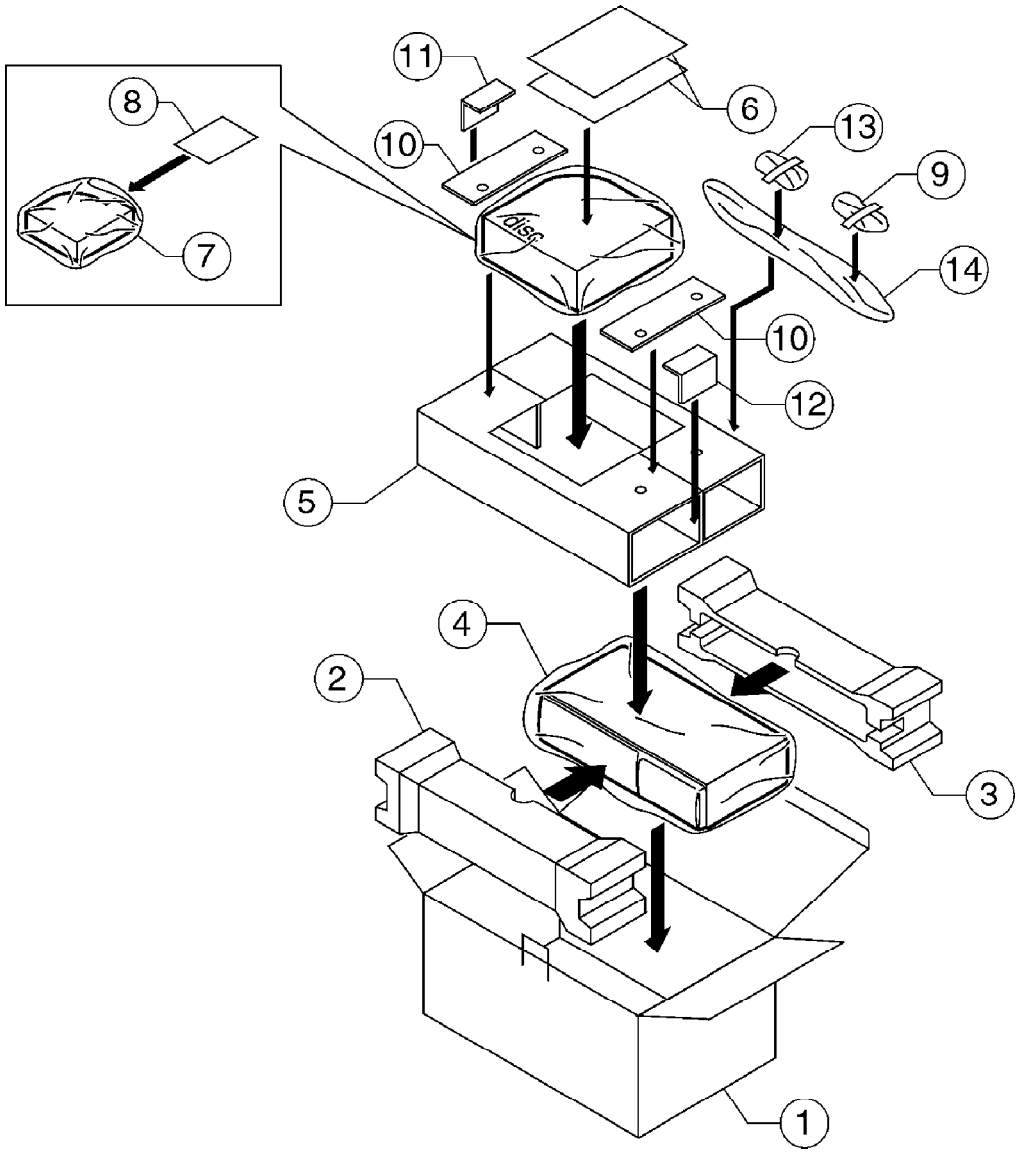
IC1 : YESAM163



IC3 : C0GBE0000012



12. PACKING PARTS LIST



- Item numbers listed below should not order regular spare parts.
(not available)

Item No.	Parts No.	Parts Name & Description	Q'ty	Remarks
1	-	Inner Carton	1	Not available
2	-	Packing Pad Front	1	Not available
3	-	Packing Pad Rear	1	Not available
4	-	Polyethylene Bag	1	Not available
5	-	Accessory Pad	1	Not available
6	-	Operating Instruction Kit	1	Not available
	YEFM284015	Operating Instruction	(1)	
	-	Warranty Card	(1)	Not available
	-	Panasonic Servicenter Directory	(1)	Not available
7	RM-RYQ0206A	Disc Magazine	1	
8	YEFM261081	Index Label	1	
9	YEP9BS1101	Bis Kit (Bolt with Double Washers, Nut)	1	
10	YEFG012448	Base Bracket	2	
11	YEFG05896	Mounting Bracket (L)	1	
12	YEFG05897	Mounting Bracket (R)	1	
13	YEFX9991395	Double-Faced Adhesive Tape	1	
14	YEAJ071547	Extension Cord (DIN/BATT/RCA/GND)	1	

13. REPLACEMENT PARTS LIST

Notes :

1. **Be sure to make your orders of replacement parts according to this list.**
2. **Important safety notice: Components, identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.**
3. **Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.**
4. **The marking (RTL) indicates that Retention Time is limited for this**

item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.

- Order intake period is basically six months after the first shipment.

Ref. No.	Part No.	Part Name & Description	Remarks
[E9277] Main Block			
IC's AND TRANSISTORs			
IC102	C0GBD0000010	IC	
IC201	C0ABBB000135	IC	
IC600	C2BBGE000656	IC	
IC602	AN8065S-E1	IC	
IC610	BU4584BFE2	IC	
Q117	DTA143ZKT146	Transistor	
Q119	DTC114YKT146	Transistor	
Q601	YEANFP1F3PT1	Transistor	
Q602	DTC114YKT146	Transistor	
Q610	DTC114YKT146	Transistor	
Q702	2SB956-R	Transistor	
Q703	B1GDJCEJ0001	Transistor	
Q704	2SD2137APQTA	Transistor	
Q705	2SD2137APQTA	Transistor	
Q710	2SD1994A-TA	Transistor	
DIODEs			
D177	RPI-352	Diode	
D710	B0BA5R700006	Diode	
D711	B0ACCK000005	Diode	
D712	1SR154-400TE	Diode	
D713	1SR154-400TE	Diode	
D714	B0ACCK000005	Diode	
D715	RD5R6JSB3T1	Diode	
D716	RD8R2JSB3T1	Diode	
D751	YEADDAM3MA47	Diode	
D752	1SR139400T31	Diode	
D753	MA3X153A0L	Diode	
CAPACITORs			
C102	ECUV1H103KBN	Ceramic, 0.01 μF 50WV	
C103	ECEA1CKA101	Electrolytic, 100 μF 16WV	
C119	ECUV1C104KBN	Ceramic, 0.1 μF 16WV	
C120	ECUV1C104KBN	Ceramic, 0.1 μF 16WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C177	ECUV1C104KBN	Ceramic, 0.1 μF 16WV	
C201	ECJ2VB1H332K	Ceramic, 3300PF 50WV	
C202	ECEA1CKA100I	Electrolytic, 10 μF 16WV	
C204	ECJ2VC1H221J	Ceramic, 220PF 50WV	
C205	ECEA1CKA100I	Electrolytic, 10 μF 16WV	
C206	ECJ2VC1H222J	Ceramic, 2200PF 50WV	
C207	ECJ2VC1H272J	Ceramic, 2700PF 50WV	
C208	ECEA1AKA101I	Electrolytic, 100 μF 10WV	
C301	ECJ2VB1H332K	Ceramic, 3300PF 50WV	
C302	ECEA1CKA100I	Electrolytic, 10 μF 16WV	
C304	ECJ2VC1H221J	Ceramic, 220PF 50WV	
C305	ECEA1CKA100I	Electrolytic, 10 μF 16WV	
C306	ECJ2VC1H222J	Ceramic, 2200PF 50WV	
C307	ECJ2VC1H272J	Ceramic, 2700PF 50WV	
C308	ECEA1AKA101I	Electrolytic, 100 μF 10WV	
C600	ECUV1C104KBN	Ceramic, 0.1 μF 16WV	
C602	ECEA0JKA331I	Electrolytic, 330 μF 6.3WV	
C607	ECUV1C104KBN	Ceramic, 0.1 μF 16WV	
C608	ECUV1C104KBN	Ceramic, 0.1 μF 16WV	
C610	ECUV1H103KBN	Ceramic, 0.01 μF 50WV	
C611	ECEA0JKA101I	Electrolytic, 100 μF 6.3WV	
C612	F1J1C224A091	Ceramic, 0.22 μF 16WV	
C618	EECS0HD473H	0.047 μF 5.5WV	
C620	ECEA1CKA101	Electrolytic, 100 μF 16WV	
C627	F1J1C224A091	Ceramic, 0.22 μF 16WV	
C628	F1J1C224A091	Ceramic, 0.22 μF 16WV	
C629	F1J1C224A091	Ceramic, 0.22 μF 16WV	
C630	F1J1C224A091	Ceramic, 0.22 μF 16WV	
C705	ECEA1AKA101I	Electrolytic, 100 μF 10WV	
C706	ECUV1H103KBN	Ceramic, 0.01 μF 50WV	
C707	ECEA1AKA221I	Electrolytic, 220 μF 10WV	
C708	ECEA1AKA101I	Electrolytic, 100 μF 10WV	
C709	ECUV1H103KBN	Ceramic, 0.01 μF 50WV	
C710	ECEA1AKA221I	Electrolytic, 220 μF 10WV	
C711	ECUV1H103KBN	Ceramic, 0.01 μF 50WV	
C712	ECUV1H103KBN	Ceramic, 0.01 μF 50WV	
C713	ECEA0JKA470I	Electrolytic, 47 μF 6.3WV	
C714	ECA1CHG471	Electrolytic, 470 μF 16WV	
C720	ECEA1CKA101	Electrolytic, 100 μF 16WV	
C721	ECEA1CKA101	Electrolytic, 100 μF 16WV	
C751	ECA1CHG471	Electrolytic, 470 μF 16WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C752	ECA1CHG471	Electrolytic, 470 μF 16WV	
C753	ECA1CHG471	Electrolytic, 470 μF 16WV	
RESISTORs			
J601	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
J602	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
J603	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
J604	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
J605	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
J606	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
J607	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
J701	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J702	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J703	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J704	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J705	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J706	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J707	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J708	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J709	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J710	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J711	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J712	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J713	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J714	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J715	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J716	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J717	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J718	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J719	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J720	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J721	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J722	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J723	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J724	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J725	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J726	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J727	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J728	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J729	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J730	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J731	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J732	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J733	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
J734	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J735	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J736	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J737	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J738	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J739	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J740	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J741	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J742	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J743	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J744	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J745	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J746	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J747	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J748	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J749	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J750	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J751	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J752	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J753	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J754	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J755	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J756	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J757	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J758	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J759	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J760	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J761	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J762	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J763	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J764	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J765	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
J766	ERJ8GEY0R00V	Chip, 0Ω 1/8W	
R119	ERJ8GEYJ102V	Chip, 1kΩ 1/8W	
R120	ERJ8GEYJ102V	Chip, 1kΩ 1/8W	
R154	D0GD121JA003	120Ω 1/10W	
R158	D0GD121JA003	120Ω 1/10W	
R177	ERJ6GEYJ221	Chip, 220Ω 1/10W	
R178	ERJ6GEYJ473	Chip, 47kΩ 1/10W	
R179	D0GD151JA003	Metal Film, 150Ω 1/10W	
R201	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R202	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R203	ERJ6GEYJ102	Chip, 1kΩ 1/10W	
R204	ERJ6GEYJ223	Chip, 22kΩ 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R205	ERJ6GEYJ153	Chip, 15k Ω 1/10W	
R206	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R207	D0GF561JA002	560 Ω 1/16W	
R208	D0GF472JA002	Metal Film, 4.7k Ω 1/16W	
R209	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R301	ERJ8GEYJ102V	Chip, 1k Ω 1/8W	
R302	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R303	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R304	ERJ6GEYJ223	Chip, 22k Ω 1/10W	
R305	ERJ6GEYJ153	Chip, 15k Ω 1/10W	
R306	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R307	D0GF561JA002	560 Ω 1/16W	
R308	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R309	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R600	ERJ6GEYJ333	Chip, 33k Ω 1/10W	
R601	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R605	D0GD154JA003	150k Ω 1/10W	
R606	ERJ6GEYJ333	Chip, 33k Ω 1/10W	
R608	ERDS2TJ102	Carbon, 1k Ω 1/4W	
R610	D0GD154JA003	150k Ω 1/10W	
R611	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R612	ERJ8GEYJ102V	Chip, 1k Ω 1/8W	
R613	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R614	ERJ8GEYJ102V	Chip, 1k Ω 1/8W	
R617	ERJ6GEYJ100	Chip, 10 Ω 1/10W	
R618	ERJ6GEYJ823	Chip, 82k Ω 1/10W	
R629	ERJ6GEYJ184	Chip, 180k Ω 1/10W	
R630	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R631	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R651	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R652	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R653	ERJ8GEYJ102V	Chip, 1k Ω 1/8W	
R654	ERJ8GEYJ102V	Chip, 1k Ω 1/8W	
R655	ERJ8GEYJ102V	Chip, 1k Ω 1/8W	
R656	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R657	ERJ8GEYJ102V	Chip, 1k Ω 1/8W	
R658	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R659	ERJ8GEYJ102V	Chip, 1k Ω 1/8W	
R670	ERJ8GEYJ102V	Chip, 1k Ω 1/8W	
R671	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R672	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R675	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R677	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R679	D0GF473JA002	47k Ω 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R681	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R683	ERJ8GEYJ102V	Chip, 1k Ω 1/8W	
R685	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R686	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R687	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R688	D0GF473JA002	47k Ω 1/16W	
R703	ERJ8GEYJR47V	Chip, 0.47 Ω 1/8W	
R704	ERJ8GEYJ123V	Chip, 12k Ω 1/8W	
R705	ERJ12YJ221U	Chip, 220 Ω 1/2W	
R706	ERJ6GEYJ152	Chip, 1.5k Ω 1/10W	
R707	ERJ12YJ221	Chip, 220 Ω 1/2W	
R710	ERJ8GEYJ220V	Chip, 22 Ω 1/8W	
R711	ERJ6GEYJ123	Chip, 12k Ω 1/10W	
R712	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R720	ERJ8GEYJ820V	Chip, 82 Ω 1/8W	
R721	ERJ6GEYJ680	Chip, 68 Ω 1/10W	
R730	D0GD220JA003	Chip, 22 Ω 1/10W	
R731	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
CONNECTORs			
CN101	VJP4440	Connector, 16P	
CN110	K1MN13B00058	Connector, 13P	
CN201	K1MN20B00073	Connector, 20P	
CN210	K1KA02B00130	Connector, 2P	
CN220	K1MN13B00058	Connector, 13P	
COILs			
L600	YELT03N101JT	Coil	
L701	G0A801G00004	Coil	
L731	ERJ8GEY0R00V	Coil	
L732	ERJ8GEY0R00V	Coil	
L734	ERJ8GEY0R00V	Coil	
SWITCHes			
SW1	RSP1A021-A	Switch	
SW2	RSP1A004-A	Switch	
SW3	RSG0034-A	Switch	
SW4	RSG0034-A	Switch	
CRYSTALs			
XL600	H2B491400002	Ceramic Oscillator	

Ref. No.	Part No.	Part Name & Description	Remarks
[VJB62122ZA] CD Servo Block			
IC's AND TRANSISTORs			
IC1	YESAM163	IC	
IC2	MN6627482WB	IC	
IC3	C0GBE0000012	IC	
Q1	B1ADCF000001	Transistor	
CAPACITORs			
C1	F3G0J336A001	Tantalum, 33 μF 6.3WV	
C2	F1H1C224A008	Ceramic, 0.22 μF 16WV	
C3	ECEA0JKS101I	Electrolytic, 100 μF 6.3WV	
C4	ECJ1VC1H121J	Ceramic, 120PF 50WV	
C5	F1H1C104A042	Ceramic, 0.1 μF 16WV	
C6	ECJ1VB1C393K	Ceramic, 0.039 μF 16WV	
C7	F1H1H562A238	Ceramic, 5600PF 50WV	
C8	ECUV1H332KBV	Ceramic, 3300PF 50WV	
C9	F1H1C473A054	Ceramic, 0.047 μF 16WV	
C10	F1H1C104A042	Ceramic, 0.1 μF 16WV	
C11	F1H1C104A042	Ceramic, 0.1 μF 16WV	
C12	F1H1C104A009	Ceramic, 0.1 μF 16WV	
C15	ECUV1H332KBV	Ceramic, 3300PF 50WV	
C16	F1H1H331A792	Ceramic, 330PF 50WV	
C17	F1H1H3910006	Ceramic, 390PF 50WV	
C18	ECJ1VC1H820J	Ceramic, 82PF 50WV	
C19	ECJ1VC1H820J	Ceramic, 82PF 50WV	
C20	F1H1H102A009	Ceramic, 1000PF 50WV	
C21	F1J1C154A091	Ceramic, 0.15 μF 16WV	
C22	F1H1E223A029	Ceramic, 0.022 μF 25WV	
C23	ECUV1H182KBV	Ceramic, 1800PF 50WV	
C24	F1H1H102A009	Ceramic, 1000PF 50WV	
C25	F1H1C104A042	Ceramic, 0.1 μF 16WV	
C26	F1H1H123A238	Ceramic, 0.012 μF 50WV	
C27	F1J1A6840001	Ceramic, 0.68 μF 10WV	
C29	ECEA0JKA221I	Electrolytic, 220 μF 6.3WV	
C31	ECJ2VB1C224K	Ceramic, 0.22 μF 16WV	
C32	F1H1C104A042	Ceramic, 0.1 μF 16WV	
C33	ECEA0JKA221I	Electrolytic, 220 μF 6.3WV	
C34	F1H1C104A042	Ceramic, 0.1 μF 16WV	
C35	ECEA0JKS101I	Electrolytic, 100 μF 6.3WV	
C36	ECEA1AKS221I	Electrolytic, 220 μF 10WV	
C37	F1H1E223A029	Ceramic, 0.022 μF 25WV	
C38	F1H1H102A009	Ceramic, 1000PF 50WV	
C39	F1H1H102A009	Ceramic, 1000PF 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C40	F1H1C104A009	Ceramic, 0.1 μF 16WV	
C41	F1H1C104A009	Ceramic, 0.1 μF 16WV	
C42	F1H1C104A009	Ceramic, 0.1 μF 16WV	
C43	F1H1C104A009	Ceramic, 0.1 μF 16WV	
C44	F1H1C104A009	Ceramic, 0.1 μF 16WV	
C47	F1H1C104A009	Ceramic, 0.1 μF 16WV	
C48	F1J1C3340005	Ceramic, 0.33 μF 16WV	
C49	F1H1H102A009	Ceramic, 1000PF 50WV	
C50	F4Z0J6860001	68 μF 6.3WV	
RESISTORs			
C52	ERJ3GEYJ332V	Chip, 3.3k Ω 1/16W	
J12	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J13	ERJ6GEY0R00V	Chip, 0 Ω 1/10W	
J14	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J15	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J17	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J18	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J19	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
R1	ERJ3GEYJ4R7V	Chip, 4.7 Ω 1/16W	
R2	ERJ3GEYJ100V	Chip, 10 Ω 1/16W	
R3	ERJ3GEYJ221V	Chip, 220 Ω 1/16W	
R4	ERJ3GEYJ150V	Chip, 15 Ω 1/16W	
R5	ERJ3GEYJ562V	Chip, 5.6k Ω 1/16W	
R6	ERJ3GEYJ222V	Chip, 2.2k Ω 1/16W	
R7	ERJ3GEYJ751V	Chip, 750 Ω 1/16W	
R8	ERJ3GEYJ330V	Chip, 33 Ω 1/16W	
R9	ERJ3GEYJ1R8V	Chip, 1.8 Ω 1/16W	
R10	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R13	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R14	ERJ3GEYJ333V	Chip, 33k Ω 1/16W	
R15	ERJ3GEYJ822V	Chip, 8.2k Ω 1/16W	
R16	ERJ3GEYJ822V	Chip, 8.2k Ω 1/16W	
R17	ERJ3GEYJ473V	Chip, 47k Ω 1/16W	
R18	ERJ3GEYJ153V	Chip, 15k Ω 1/16W	
R19	ERJ3GEYJ222V	Chip, 2.2k Ω 1/16W	
R20	ERJ3GEYJ222V	Chip, 2.2k Ω 1/16W	
R21	ERJ3GEYJ123V	Chip, 12k Ω 1/16W	
R22	ERJ3GEYJ272V	Chip, 2.7k Ω 1/16W	
R23	ERJ3GEYJ182V	Chip, 1.8k Ω 1/16W	
R24	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R25	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R26	ERJ3GEYJ822V	Chip, 8.2k Ω 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R27	ERJ3GEYJ274V	Chip, 270k Ω 1/16W	
R28	ERJ3GEYJ824V	Chip, 820k Ω 1/16W	
R30	ERJ3GEYJ243V	Chip, 24k Ω 1/16W	
R31	ERJ3GEYJ393V	Chip, 39k Ω 1/16W	
R32	ERJ3GEYJ124V	Chip, 120k Ω 1/16W	
R33	ERJ3GEYJ224V	Chip, 220k Ω 1/16W	
R34	ERJ3GEYJ104V	Chip, 100k Ω 1/16W	
R35	ERJ3GEYJ271V	Chip, 270 Ω 1/16W	
R36	D0GD470JA003	47 Ω	
R37	ERJ3GEYJ220V	Chip, 22 Ω 1/16W	
R38	ERJ3GEYJ220V	Chip, 22 Ω 1/16W	
R39	ERJ3GEYJ154V	Chip, 150k Ω 1/16W	
R40	ERJ3GEYJ183V	Chip, 18k Ω 1/16W	
R41	D0GB103JA002	10k Ω	
R42	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R43	D0GB102JA002	1k Ω	
R44	ERJ3GEYJ273V	Chip, 27k Ω 1/16W	
R45	D0GB103JA002	10k Ω	
R47	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R49	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
R50	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R51	ERJ3GEYJ106V	Chip, 10M Ω 1/16W	
R53	D0GB103JA002	10k Ω	
R56	ERJ3GEYJ272V	Chip, 2.7k Ω 1/16W	
CONNECTORs			
CN1	YEAE5220716	Connector, 16P	
CN2	K1MN20B00029	Connector, 20P	
SWITCHes			
SW1	RSP1A004-A	Switch	
SW2	RSP1A004-A	Switch	
CRYSTALs			
X2	H2D169300002	Ceramic Oscillator	
Accessories			
PRINTING			
	YEFM284015	Operating Instruction	
INSTALLATION PARTs			
	RM-RYQ0206A	Disc Magazine	
	YEFM261081	Index Label	

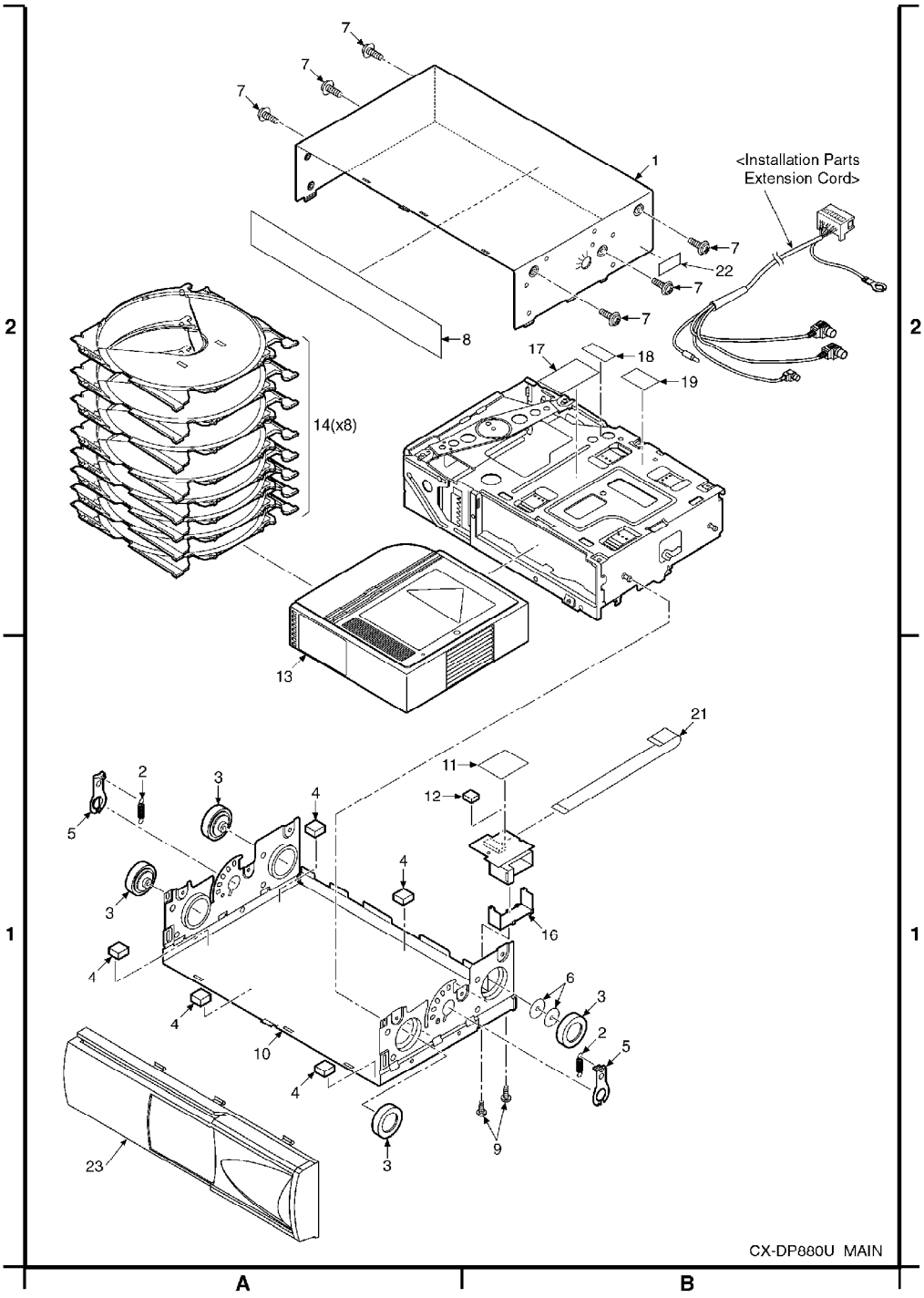
Ref. No.	Part No.	Part Name & Description	Remarks
	YEP9BS1101	Bis Kit (Bolt Double Washers,Nut)	
	YEFG012448	Base Bracket	
	YEFG05896	Mounting Bracket (L)	
	YEFG05897	Mounting Bracket (R)	
	YEFX9991395	Double-Faced Adhesive Tape	
	YEAJ071547	Extension Cord (DIN/BATT/RCA/GND)	
Mechanical Parts			
MISCELLANEOUS			
1	RKM0353-K	Upper Cabinet	
2	RMB0526	Spring	
3	RMG0462-K	Insulator	
4	RMG0473-K	Cushion	
5	RML0493	Angle	
6	RMQ0754	Washer	
7	RMQ0767	Screw	
8	RMX0136	Spacer	
9	RMQ0769	Screw	
10	VKM6057	Bottom Cabinet	
11	RMZ0437	Sheet	
12	RMG0467-H	Cushion	
13	RYQ0206KA	Disc Magazine	
14	RMR1087-K	Tray	
16	VMA0Q07	Angle	
17	RQLA0397	Caution Label	
18	RQLS0104	Laser Label	
19	VQL0Y97	Caution Label	
21	VWJ1646	Flexible Cable (13P)	
22	YEFM031407	Fuse Label	
23	YEFC027889	Escutcheon Ass'y	
101	RDG0400	Gear	
102	RHW27003	Washer	
103	RMA1065	Lift Slider(F)	
104	RMB0523	Spring	
105	RMB0531	Spring	
106	RML0488	Lock Lever	
107	RMM0182	Rod	
109	RXA0168	Rear Frame	
110	RMA1066	Lift Slider(R)	
111	RMQ0723	Screw	
111	RMQ0723	Screw	
112	RMR1086-K	Slider Ruck	
113	RXK0258	Main Frame Ass'y	
114	RDG0401	Gear	
115	REM0081	Motor Ass'y	
116	RHW21022	Washer	
117	RMB0525	Spring	
118	RML0489	Eject Lever	
119	RMQ0722	Gear	
120	RMR1084-K	Guide Rail	
121	RXK0255	Base Ass'y	
122	XTB2+8F	Screw	

Ref. No.	Part No.	Part Name & Description	Remarks
123	XYN2+C3	Screw	
124	RDG0393	Gear	
125	RDG0395	Gear	
126	RDG0396	Main Gear	
127	RDG0397	Gear	
128	RDG0398	Gear	
129	RMA1063	Plate	
130	RMC0295	Plate	
131	RML0484	Lever	
132	RML0485	Swing Arm	
133	RMQ0461	Screw	
134	RXA0164	Slider (F)	
135	RXK0235	Traverse Base Ass'y	
135-1	RMA1075	Ruck Guide	
135-2	RMB0556	Spring	
135-3	RMC0331	Spring	
135-4	XTW2+6S	Screw	
136	RMC0332	Clamper Plate	
137	RXK0236	Upper Base Ass'y	
137-1	RMB0542	Spring	
138	RMA1062	Clamper Plate	
139	RML0487	Clamper Arm	
140	RMR1083-K	Clmper	
141	RMB0522	Spring	
142	RML0486	Hook	
143	RMM0181	Flexible Ruck	
144	RAF0143A-Z	Optical Pick Up	
145	RMC0294	Plate	
146	RXJ0019	Shaft	
147	RXQ0474	Nut Plate	
149	XQN17+BG45	Screw	
150	RDG0391	Gear	
151	REM0074	Traverse Motor Ass'y	
152	REM0075	Loading Motor Ass'y	
153	RMS0586	Shaft	
154	RXQ0537	Motor Case	
154-1	RMA0921	Terminal Plate	
156	XYN2+C4	Screw	
157	XTW2+6S	Screw	
158	RGQ0212-K	Front Ornament	
159	RGU1549-G	Eject Button	
160	XQN2+AM3	Screw	
161	REE1046	Flexible Cable (20P)	
162	XYC2+FF5	Screw	
163	REM0079	Sp Motor Ass'y	
164	RHW32015	Washer	
165	VXA6375	Slider (R)	
166	RMA1067	Rediation Angle	
167	RMQ0723	Screw	
169	RMG0474-K	Pad	
170	RMB0524	Spring	
171	RMR1085-K	Tray Lock	
172	XQN2+AM3	Screw	
173	REE0784	Eire Ass'y	

Ref. No.	Part No.	Part Name & Description	Remarks
179	RMQ0761	Sheet	
180	VMZ3208	Shieet	
181	VEP69146A	PCB w/Component, Main	RTL
182	VEP62122A	PCB w/Component, Servo	RTL

14. EXPLODED VIEW

14.1. Main Unit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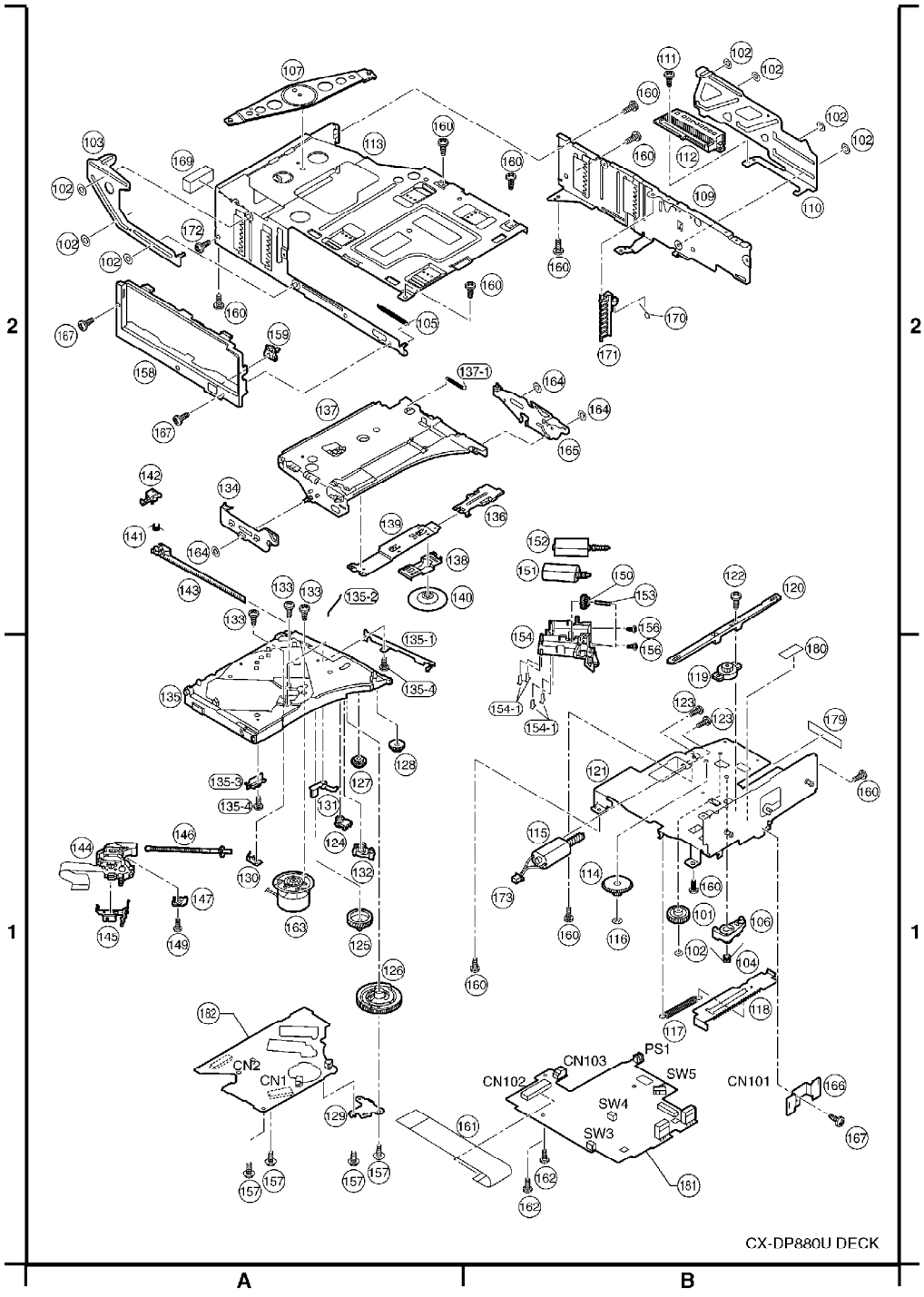
7
22
7
7
8
17
18
19
14(x8)
13
21
11
12
2
3
4
5
3
4
4
16
6
3
2
5
4
10
4
9
3
23
CX-DP880U MAIN
2
1
A
B

14.2. CD Deck



15. WIRING DIAGRAM

15.1. Main Block (Top View)

15.2. Main Block (Bottom View)

15.3. CD Servo Block (Top View)

15.4. CD Servo Block (Bottom View)

16. SCHEMATIC DIAGRAM

16.1. Main Block

16.2. CD Servo Block

17. SCHEMATIC DIAGRAM for Printing with Letter Size

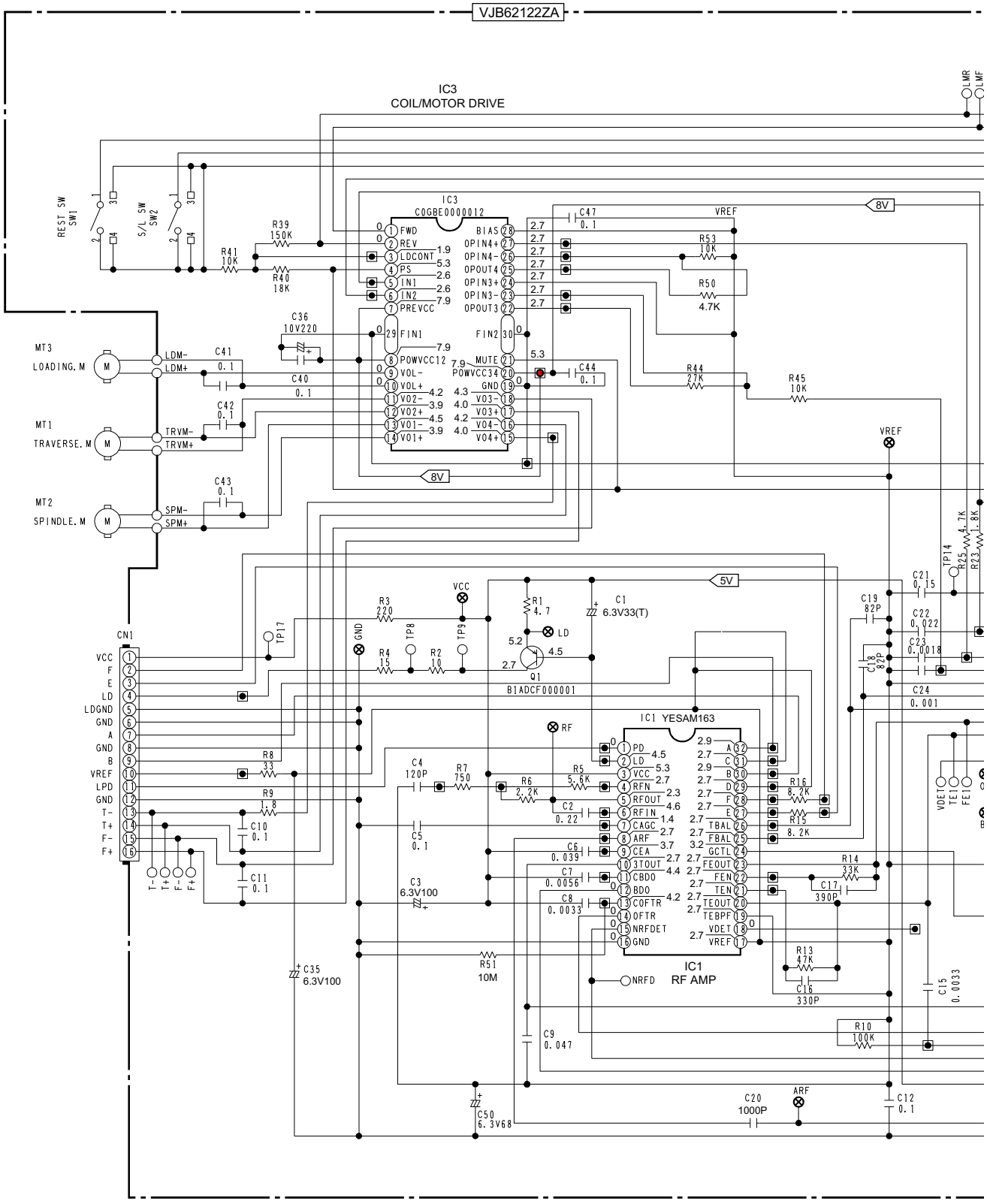
17.1. Main Block (Left Side)

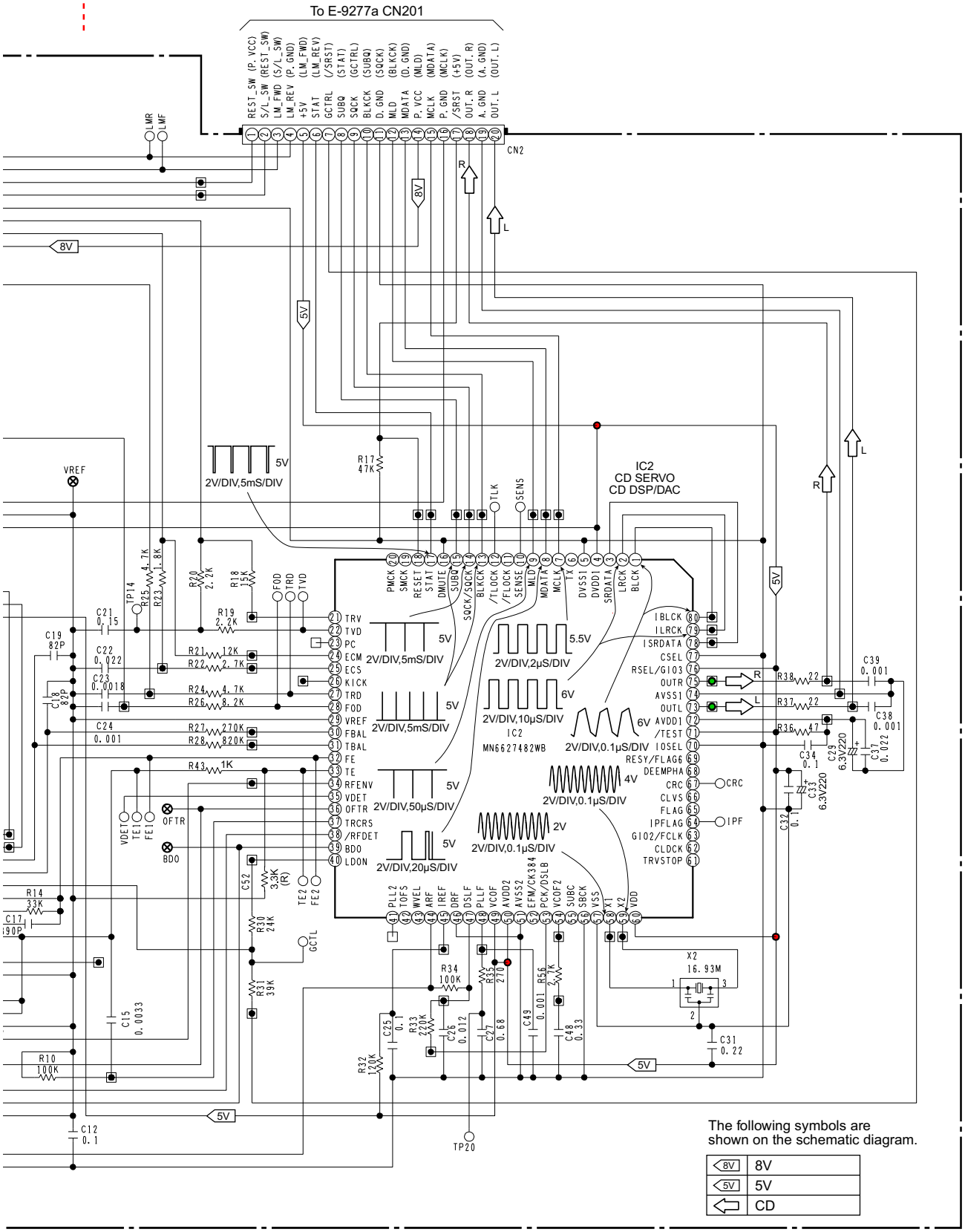
17.2. Main Block (Right Side)

17.3. CD Servo Block (Left Side)

17.4. CD Servo Block (Right Side)

16.2. CD Servo Block





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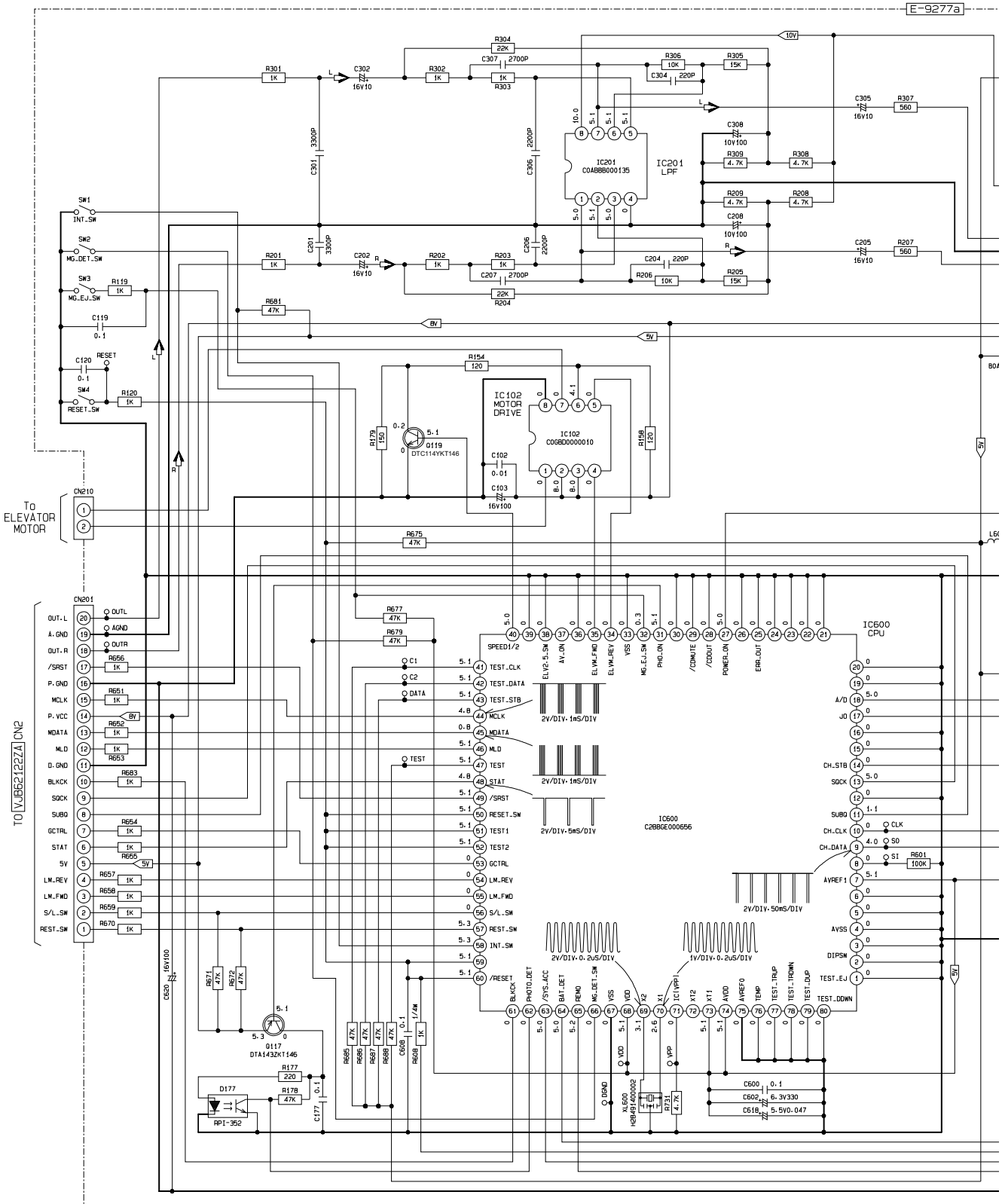
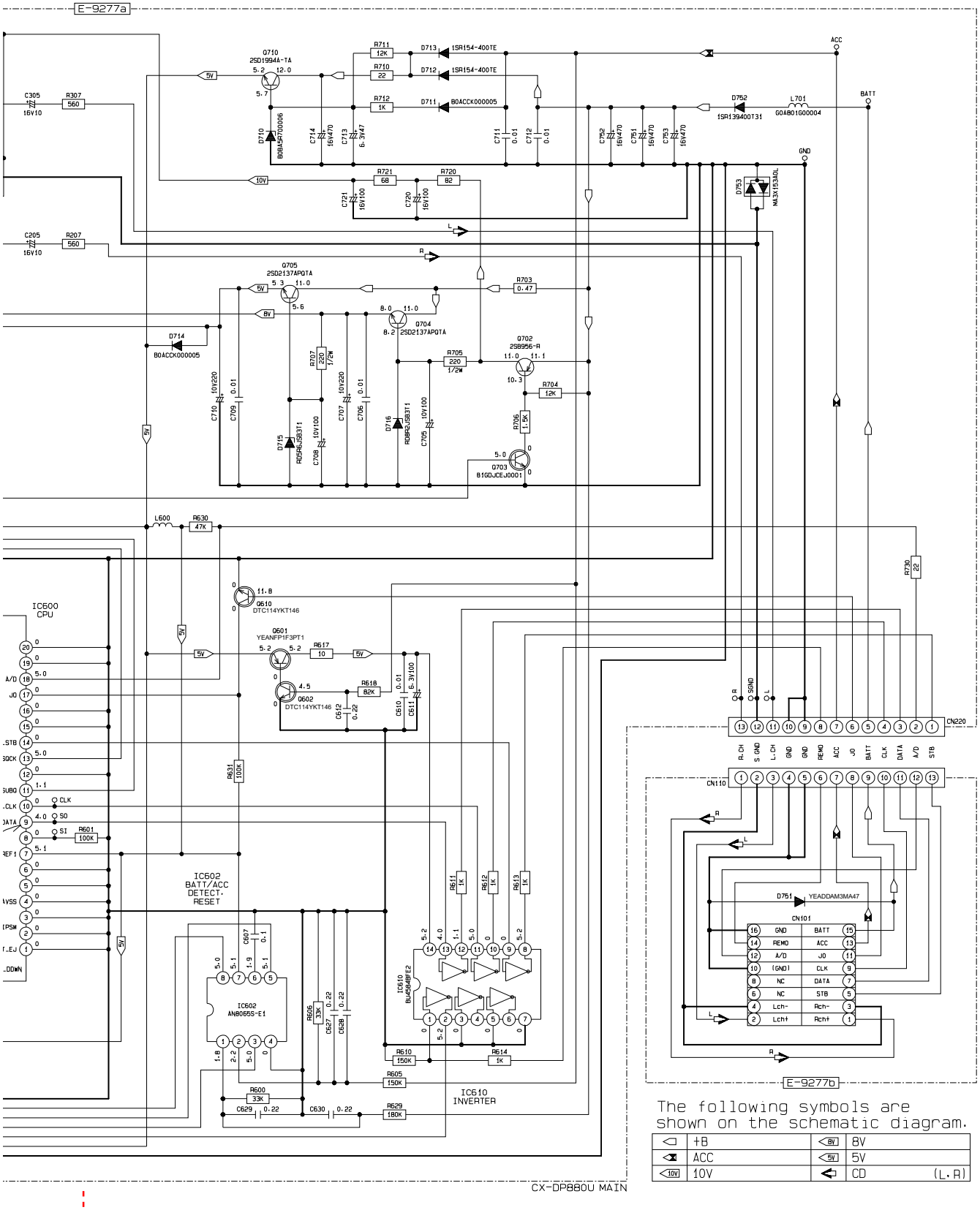
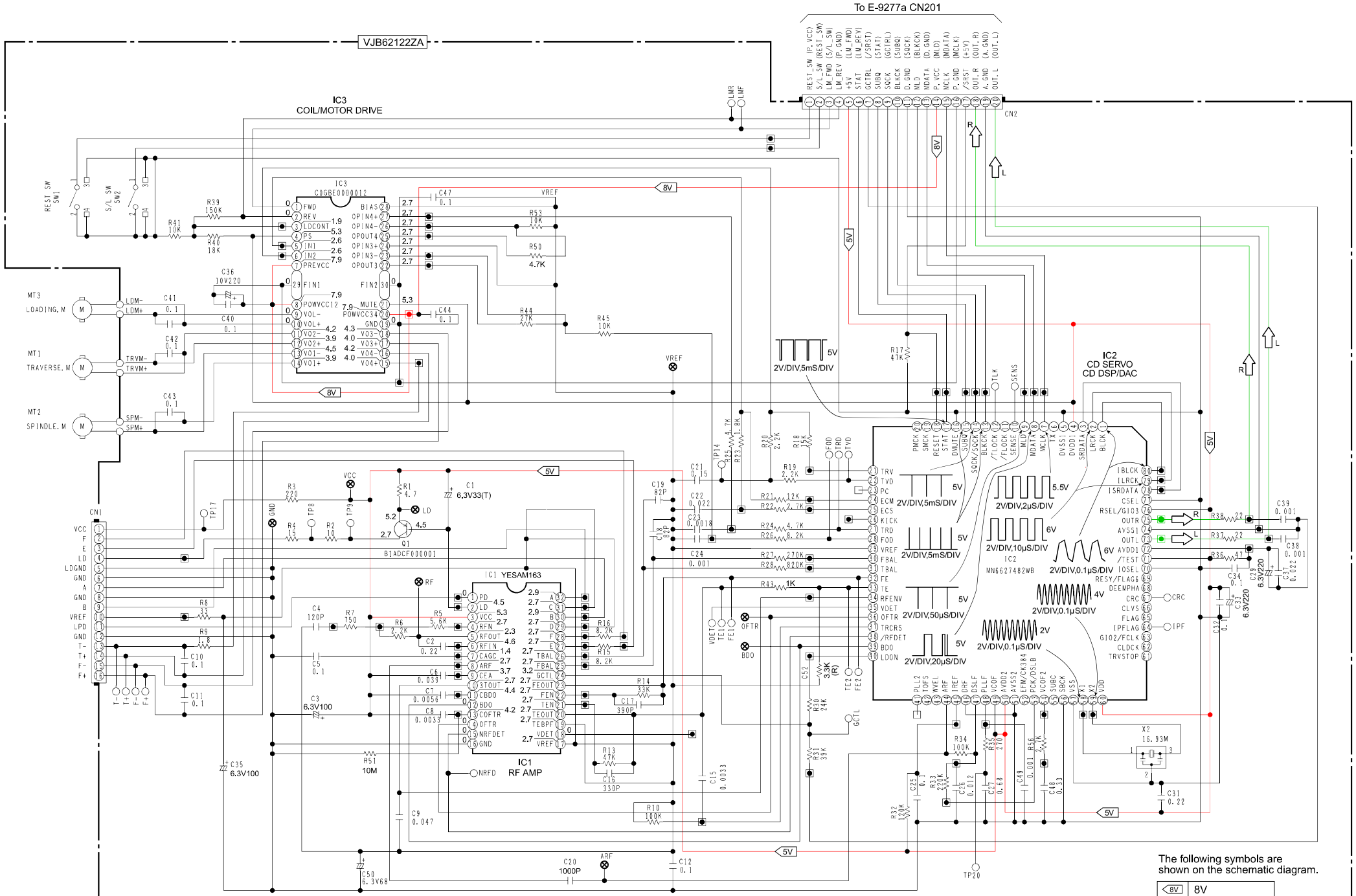
16 SCHEMATIC DIAGRAM

16.1. Main Block




E-9277a
IC600
CPU
IC602
BATT/ACC
DETECT.
RESET
IC602
AN8065S-E1
IC610
BU4066F-E2
IC610
INVERTER
CN220
CN110
CN101
E-9277b
CX-DP880U MAIN
The following symbols are
shown on the schematic diagram.
+B
ACC
10V
8V
5V
CD (L.R)



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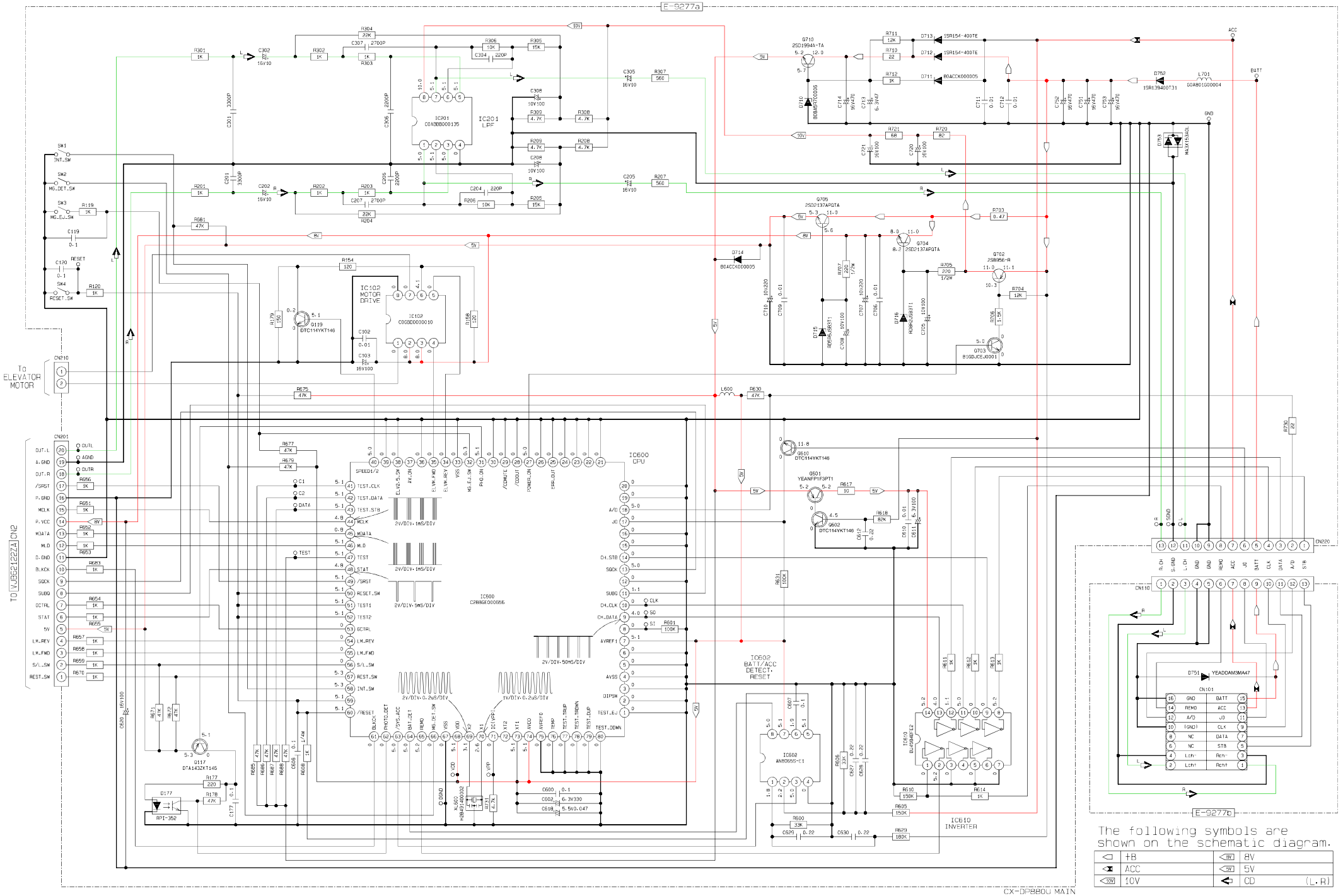
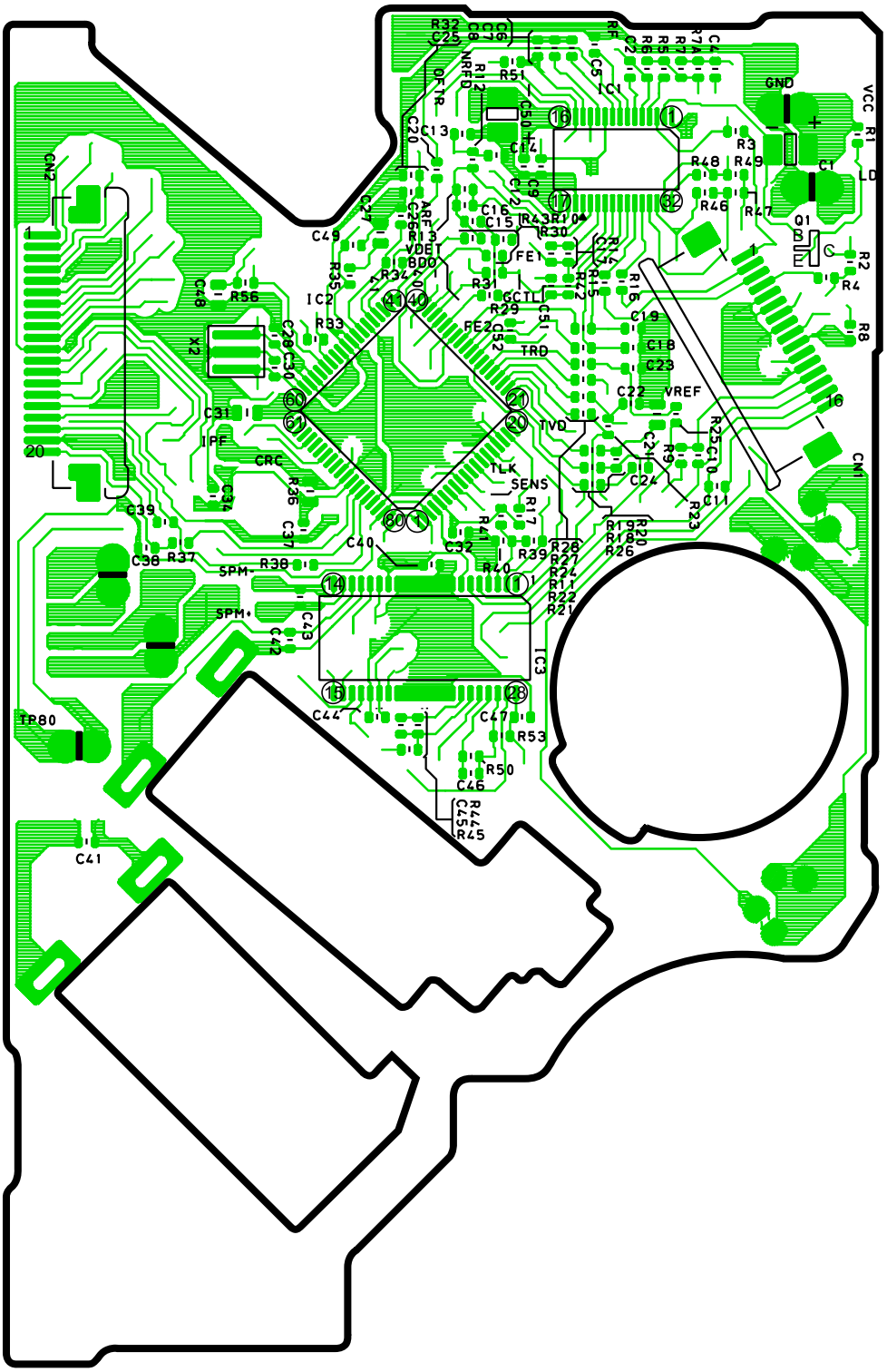
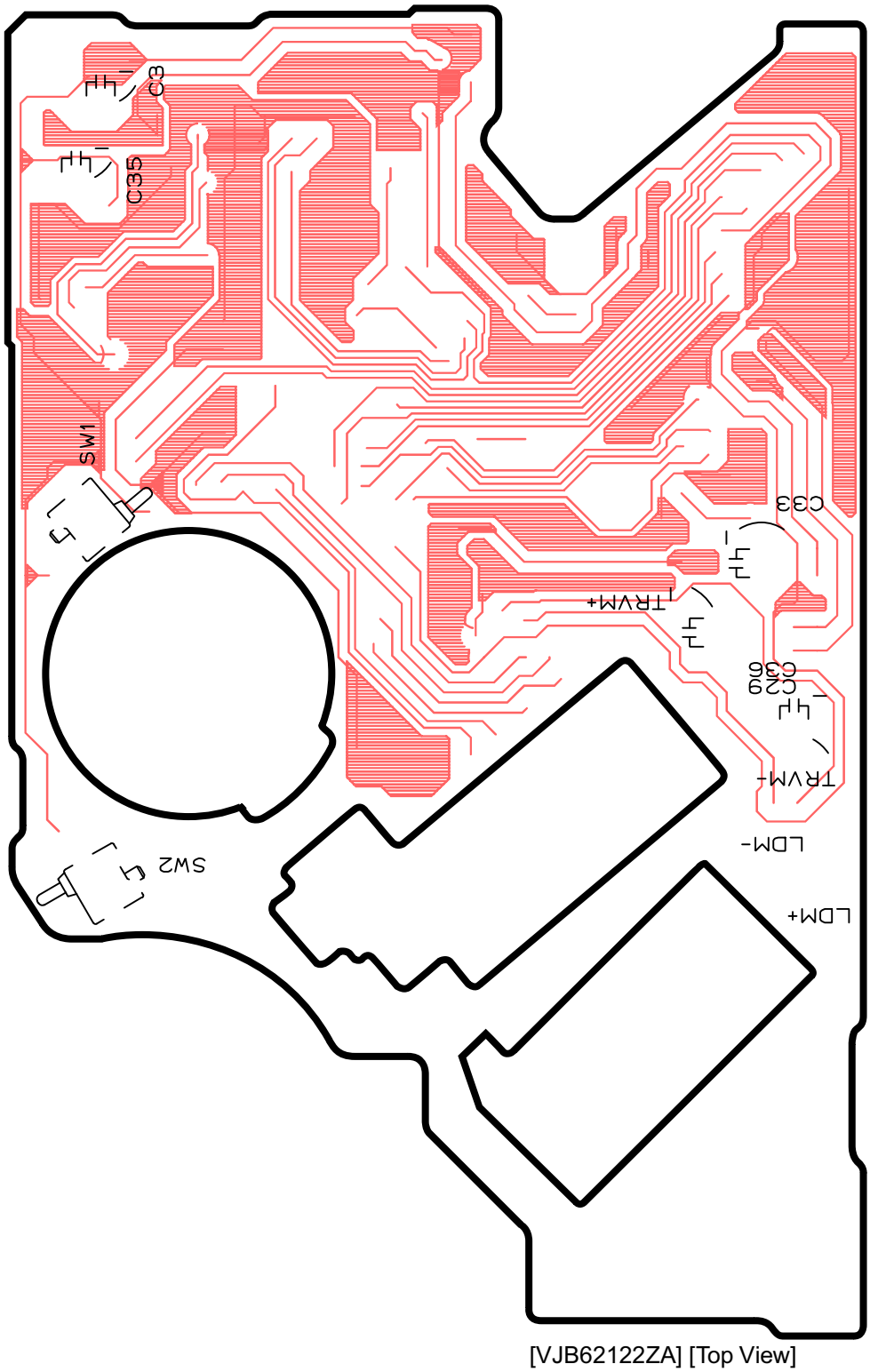
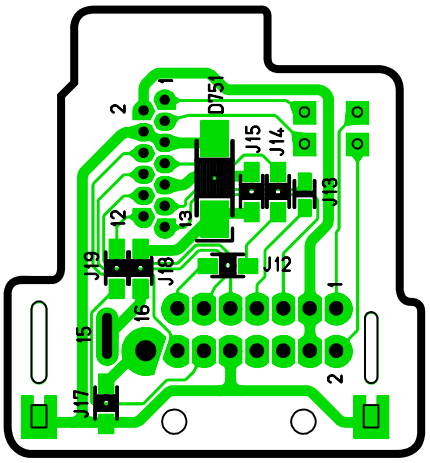

E-9277a
IC201 LPF
IC102 MOTOR DRIVE
IC600 CPU
IC602 BATT/ACC DETECT. RESET
IC610 INVERTER
To ELEVATOR MOTOR
TO WJB521227A1 CN2
CX-DP880U MAIN
E-9277b
The following symbols are shown on the schematic diagram.
+B
ACC
10V
8V
5V
CD
(L.R)



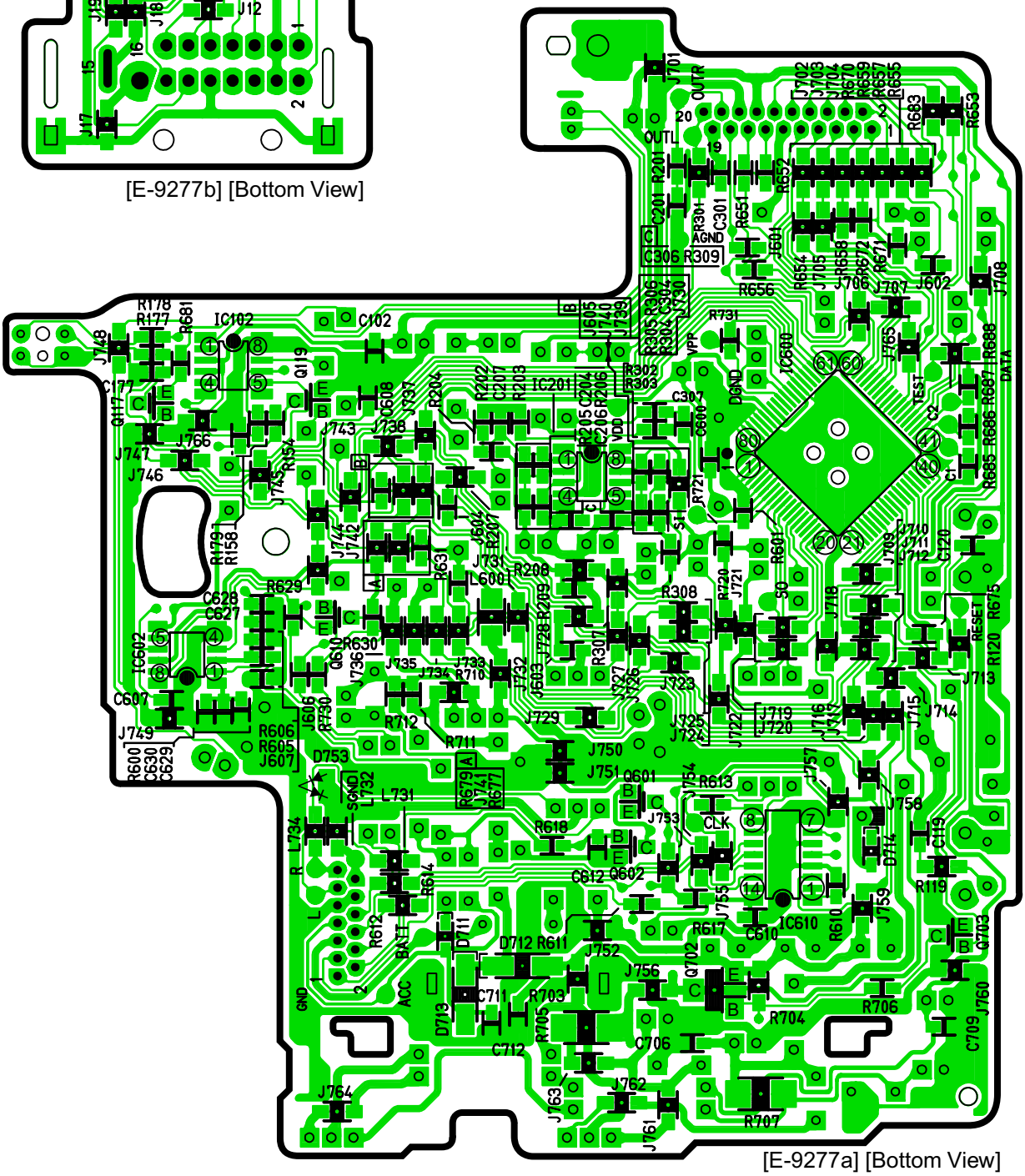
[VJB62122ZA] [Bottom View]



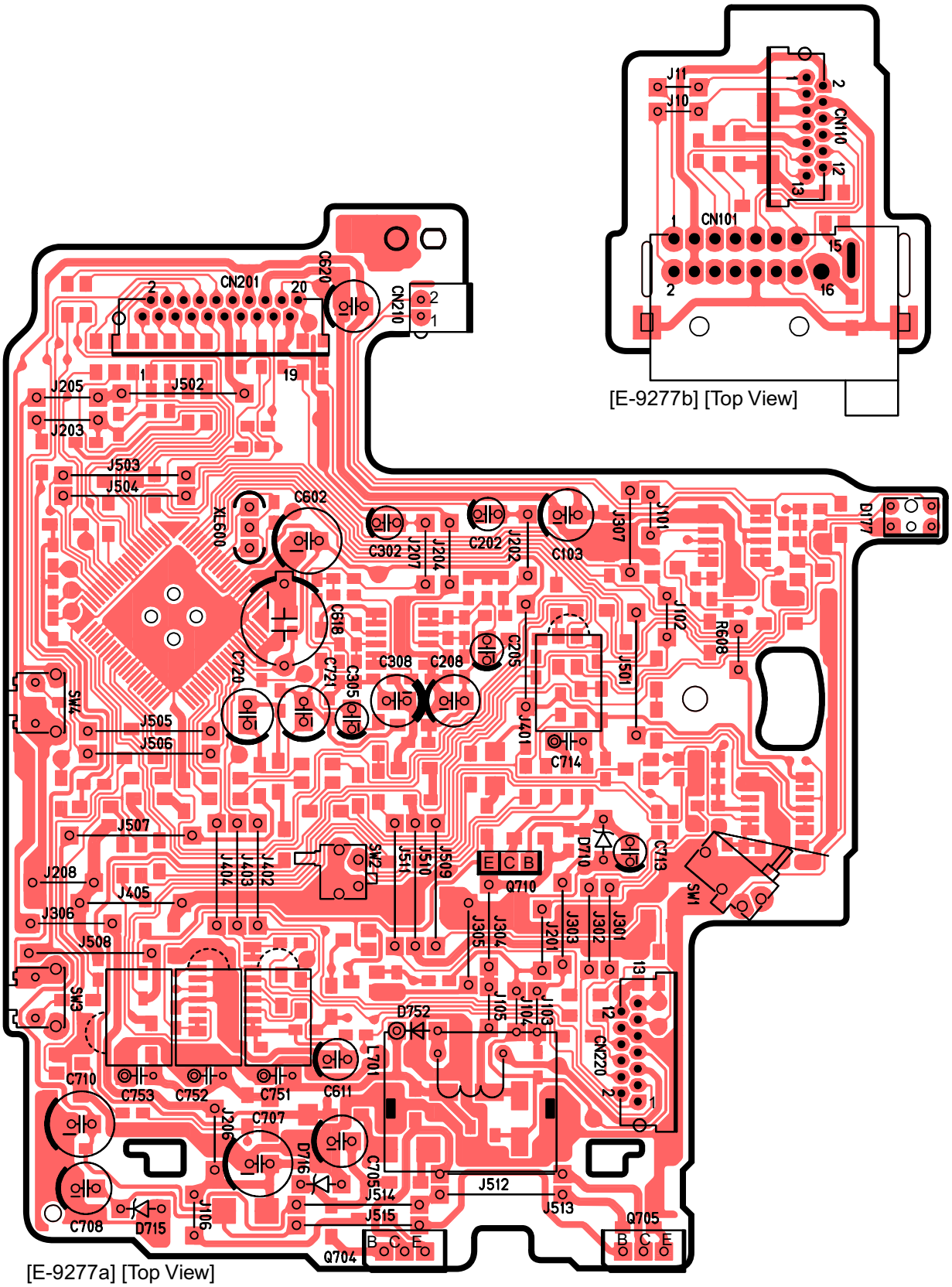
[VJB62122ZA] [Top View]



[E-9277b] [Bottom View]



[E-9277a] [Bottom View]


J11
J10
CN110
CN101
[E-9277b] [Top View]
CN201
CN210
C620
J205
J203
J502
J503
J504
XL600
C602
C618
C720
C721
C305
C302
J207
J204
C202
J202
C103
J307
J101
D177
J102
R608
C308
C208
C205
J201
J501
C714
SW4
J505
J506
J507
J208
J405
J306
J508
J404
J403
J402
SW2
J511
J510
J509
E C B
Q710
D710
C213
SW1
J305
J304
J303
J302
J301
J105
J104
J103
CN220
SW3
D752
L701
C611
C710
C753
C752
C751
J206
C707
D716
C705
J514
J515
J512
J513
C708
D715
J106
Q704
B C E
Q705
[E-9277a] [Top View]